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L9: Entry 1 of 11

File: USPT

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DOCUMENT-IDENTIFIER: US 6629613 B1

TITLE: Leukocyte filter

Brief Summary Text (68):

The group of membranes can be made of any biocompatible non-cellulosic polymer composition. For example nylon, polyvinyl chloride (PVC), PVC copolymers, polyvinylidene fluoride sulfone polymers, polyester, polyketones, aromatic polyamides, polyimides, polycarbonate, polyphenylene oxide, polyvinyl acetate and the like can be used to form the membranes of the present invention. The membranes can be manufactured by processes known in the art, including but not limited to solution phase separation, thermal inversion, foaming and sintering. Preferably, the thickness of each membrane is less than 0.25 mm, preferably of thickness between about 0.05 mm and about 0.2 mm. As analyzed by mercury porosimetry, the membrane filter preferably has a median pore size of 3.0-12 .mu.m.

Detailed Description Text (15):

Preferably, membranes employed in the present invention are "tortuous path membranes", as contrasted to "track etched membranes". Track etched membranes have generally cylindrical pores going straight through the thickness of the membrane. Track etched membranes, used in some prior art, often have very poor throughput.